

Title (en)  
HANDLE BATTERY, HANDLE BATTERY KIT AND HAND-HELD GIMBAL

Title (de)  
HANDGRIFFBATTERIE, HANDGRIFFBATTERIESATZ UND TRAGBARES SCHWEBESTATIV

Title (fr)  
BATTERIE DE POIGNÉE, KIT DE BATTERIE DE POIGNÉE ET SUSPENSION À CARDAN PORTATIVE

Publication  
**EP 3699687 A4 20201202 (EN)**

Application  
**EP 18898066 A 20180105**

Priority  
CN 2018071622 W 20180105

Abstract (en)  
[origin: EP3699687A1] A handle battery includes a casing, an upper cover, and a lower cover. The casing includes an upper-end opening, a lower-end opening, and a receiving cavity between the upper-end opening and the lower-end opening. The receiving cavity houses a battery cell that is configured to supply power for a gimbal. The upper cover covers the upper-end opening. A mounting groove is formed on the upper cover for detachable connection with the gimbal. The mounting groove includes an entrance for the gimbal to enter the mounting groove, a first surface opposite to the entrance, a first guide groove and a second guide groove that are opposite to each other and located between the entrance and the first surface, and a bottom surface below the entrance, the first surface, the first guide groove, and the second guide groove. A power supply interface is disposed in the mounting groove for supplying power to the gimbal. The lower cover covers the lower-end opening. The handle battery is detachably connected with the gimbal. The handle battery is detached, sent for charging, and replaced by a spare handle battery to continue shooting, when the power of the handle battery is used up. The present invention also provides a handle battery set and a handheld gimbal.

IPC 8 full level  
**F16M 11/04** (2006.01); **H01M 50/244** (2021.01); **H01M 50/247** (2021.01)

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Citation (search report)  
• [A] WO 2017116919 A1 20170706 - GOPRO INC [US]  
• See references of WO 2019134131A1

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